# [ *MAGNETIC RESONANCE IMAGING WITH REAL-TIME SNR MEASUREMENT* ]

## Abstract of Disclosure

An apparatus for calculating the real-time SNR of a magnetic resonance imaging system 10 is provided, including an image processing engine 16 in communication with the magnetic resonance imaging system 14, said image processing engine 16 calculating an acquired real-time signal-to-noise ratio 54 for each of a plurality of real-time images 18 received from the magnetic resonance imaging system 14 and comparing said acquired real-time signal-to-noise ratios 54 with a reference signal-to-noise ratio to develop a relative signal-to-noise variance 26, and an audio feedback device 24 broadcasting an audio signal in response to said relative SNR variance 26.

## Figures